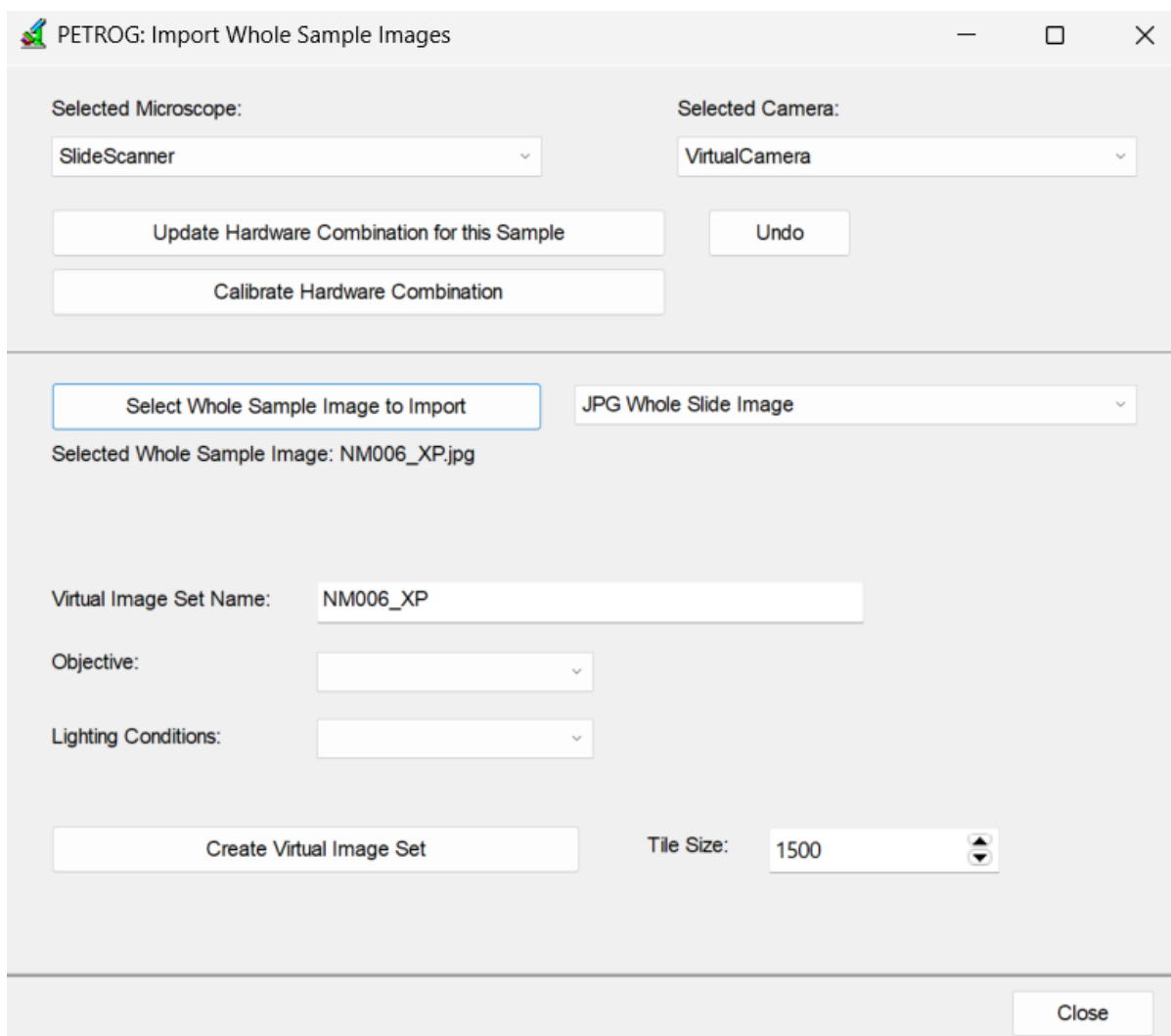


PETROG v5.3 Release

Whole Slide image import

A new option for importing whole slide images in various file formats (TIFF, JP2, JPG). This facilitates the use of the new "Virtual Image Camera" version of PETROG for point counting from whole slide images, whether these have been imported or created using PETROG's stitching functionality. There are options to define a new "virtual" microscope and camera combination - for instance if the imported images come from a slide scanner, then this can be setup as a new microscope with defined objectives, and then calibrations can be imported from meta-data or by clicking on a scale bar on an image.

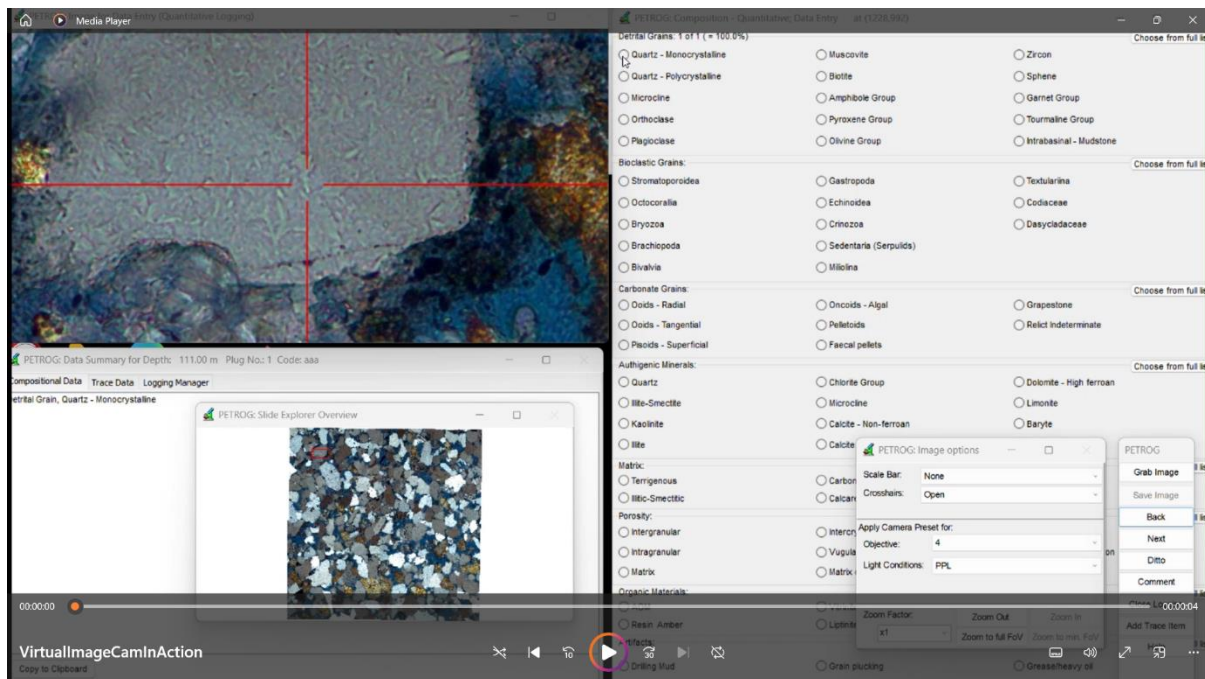


The screenshot shows the 'PETROG: Import Whole Sample Images' dialog box. It features two dropdown menus for 'Selected Microscope' (set to 'SlideScanner') and 'Selected Camera' (set to 'VirtualCamera'). Below these are buttons for 'Update Hardware Combination for this Sample', 'Undo', and 'Calibrate Hardware Combination'. A 'Select Whole Sample Image to Import' button is followed by a dropdown menu set to 'JPG Whole Slide Image'. The 'Selected Whole Sample Image' is 'NM006_XP.jpg'. There is a text field for 'Virtual Image Set Name' containing 'NM006_XP', and dropdown menus for 'Objective' and 'Lighting Conditions'. At the bottom, there is a 'Create Virtual Image Set' button and a 'Tile Size' spinner set to '1500'. A 'Close' button is located at the bottom right.

Point counting a Whole Slide Image

It is now possible to collect compositional and/or textural data from a virtual image - either imported as above, or one created using PETROG's stitching option. The Virtual Image Camera can now treat a whole slide image as if it were being viewed under a microscope, replicating what is observed when using a physical sample with a SteppingStage and microscope camera. An Area of Interest (AoI) can be defined on the virtual image in the same way that an AoI is set for a physical sample. This AoI, along with the specified number of points to count, is used to establish a grid of locations to visit on the virtual image. During the point count, once the complete set of data has

been entered at a particular point, the Virtual Image Camera then moves to the next point - and the process of moving from one location to the next is animated, so as to replicate what is observed when the SteppingStage moves a physical sample from one point to the next.



Improved frame rates and performance

FMXHYBRID versions of PETROG are now the default for all cameras, and extensively tested. This version offers improved frame rates and better performance when collecting images for stitching.

Add Trace items

There is a new option to add trace items during a point count, either from the buttons panel or by clicking the arrow button in the image window. Previously trace data could only be added in Data Edit after point counting; now it can be recorded during the point count if trace items are observed - and if the crosshairs then land on an item that has been recorded as trace and so it is now to be counted, then the trace will be discarded automatically.

For full details of the changes in this release, please visit:

[PETROG5 Changelog](#)

On-site or Remote Installation Support and Training

CVS are still able to offer Remote Instructor-Led Training (RILT) for PETROG. The software is rich in features, and so user training can help you get the best out of the tools available, to make your workflow more efficient and allowing you to concentrate on producing quality data.

Even if you are already using PETROG, consider a refresher course to ensure you are making the best use of your software.

For more information, including a listing of available training modules, please visit:

[PETROG Training](#)

Alternatively, we are pleased to be able to offer on-site visits again. Please contact us if you would like to discuss the possibility of an on-site visit, either for training and/or for supporting migration of your installation, data and images from v4 to v5.

Promotional tour of Pakistan

Barrie Wells visited Pakistan recently for a number of meetings and seminars, organised in conjunction with our agents Shanghai Shenkai Petroleum Science & Technology Co.,Ltd and GEOSCIENCE WALES LIMITED.

Barrie was presented with mementoes of his visit at Bahria University, Islamabad, after giving a presentation on PETROG to 50 academics and students from 5 universities, travelling from as far afield as Muzaffarabad; and is also shown in the geology museum of the University of Karachi, with faculty including Prof. Dr Erum Bashir (2nd from right), Chairperson, Department of Geology, after delivering a similar presentation to universities in and around Karachi.





2023/10/06 12:57
Karachi, Pakistan

Best regards,

The PETROG team